

From: [PETERSON Jenn L](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#)
Subject: RE: Dioxin TRV - Fish
Date: 09/15/2008 11:43 AM
Attachments: [DioxinTEQ Methods EPAJune2008.pdf](#)

For an exposure point concentration, you sum dioxins and furans and dioxin like PCB congeners according to the attached document. Each congener is assigned a TEF that equates its toxicity to 2,3,7,8-TCDD. You then compare that exposure point concentration to the TRV for 2,3,7,8-TCDD. I think Query manager can do it if the Round 3 data is available. There were problems outlined earlier with the fish 2,3,7,8-TCDD TRV used in the Round 2 Report, which is why I would like one developed using SSD methodology.

-Jennifer

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov
[mailto:Blischke.Eric@epamail.epa.gov]
Sent: Monday, September 15, 2008 11:21 AM
To: PETERSON Jenn L
Cc: ANDERSON Jim M; Shephard.Burt@epamail.epa.gov; Jeremy_Buck@fws.gov; rgensemer@parametrix.com; Robert Neely
Subject: RE: Dioxin TRV - Fish

We have been through this before. How do you do that?

Eric

"PETERSON Jenn L" <PETERSON.Jenn@ eq.state.or.us>	Eric Blischke/R10/USEPA/US@EPA cc
09/15/2008 10:40 AM	"ANDERSON Jim M" <ANDERSON.Jim@deg.state.or.us>, Burt Shephard/R10/USEPA/US@EPA, <Jeremy_Buck@fws.gov>, "Robert Neely" <Robert.Neely@noaa.gov>, <rgensemer@parametrix.com> Subject
	RE: Dioxin TRV - Fish

You have to calculate a dioxin TEQ for fish. The TCDD screen does not answer the question.

-Jennifer

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov
[mailto:Blischke.Eric@epamail.epa.gov]
Sent: Monday, September 15, 2008 10:11 AM
To: PETERSON Jenn L
Cc: ANDERSON Jim M; Shephard.Burt@epamail.epa.gov; Jeremy_Buck@fws.gov; Robert Neely; rgensemer@parametrix.com
Subject: Re: Dioxin TRV - Fish

Jennifer, we went with the 90 pg/g screening criteria for 2,3,7,8-TCDD. We did not look at other dioxin congeners. Based on this screening step, only one sample - a lumbriculus sample collected offshore of the RPAC outfall - exceeds this criteria. As a result, we did not develop TRVs for dioxin.

I just performed a 2,3,7,8-TCDD screen for all tissue data (including Round 3B) collected at Portland Harbor. The highest 2,3,7,8-TCDD fish tissue concentration was a Round 1 smallmouth bass sample collected in the vicinity of RM 7 at 1.49 pg/g (ng/kg).

Burt and Bob, is my recollection accurate?

Eric

"PETERSON Jenn L" <PETERSON.Jenn@ eq.state.or.us>	Eric Blischke/R10/USEPA/US@EPA, Burt Shephard/R10/USEPA/US@EPA cc
09/15/2008 08:59	

AM

"ANDERSON Jim M"
<ANDERSON.Jim@deg.state.or.us>,
"Robert Neely"
<Robert.Neely@noaa.gov>,
<Jeremy_Buck@fws.gov>
Subject
Dioxin TRV - Fish

What was the decision on the development of a dioxin TRV for fish? Was
the Round 3 Data screened for dioxin TEQ?

-Jennifer